ENERGY AND AUTOMATION

LIMIT SWITCH, K SERIES, WOBBLE STICK, OMNIDIRECTIONAL, 2 SIDE CABLE ENTRY. DIMENSIONS COMPATIBLE TO EN 50047, PLASTIC BODY, CONTACTS 2NC SNAP ACTION. FLEXIBLE ROD



KCM1S02

Product designation	Wobble stick, omnidirectional
Product type designation	KCM
General characteristics	
Material	

Rod Flexible Contact characteristics 2NC Snap action Thermal current lth A 10 IEC/EN 60947-5-1 designation A 600 0600 Rated insulation voltage Uimp V 690 Rated insulation voltage Uimp kV 6 Insulation class II 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 max m/s 1.5 15 IEC Conventional free air thermal current lth A 10 0 Resistance per pole (average value) mQ <10 0 Mechanical features Ucoking bayonet insert 10 gG/SC 0 Operating torque mQ <10 0 0 Mechanical features Ucoking bayonet insert 0 1 0 Operating torque Ncm 1 2.5 1 0 Ightening torque (Max) Switch fixing Nm 0.8 1 0 Eody lid screw fixing Nm 0.8 1 7			Housing		Polymer thermoplastic
Contact characteristics 2NC Snap action Type of contact A 10 Thermal current th A 10 EC/EN 60947-5-1 designation A600 Q600 Rated insulation voltage Ui V 690 Rated inpulse withstand voltage Uimp kV 6 Insulation class II 10 gG/SC Switching speed Class/A 10 gG/SC Switching speed min m/s 0.5 max m/s 1.5 15 EC Conventional free air thermal current Ith A 10 0 Resistance per pole (average value) mΩ <10			Rod		-
Type of contact 2NC Snap action Thermal current lth A 10 IEC/EN 60947-5-1 designation A600 Q600 Rated insulation voltage Ui V 690 Rated insulation voltage Ui V 690 Rated insulation voltage Uimp kV 6 Insulation class II II Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mQ <10	Contact characteristic	S	i i i i i i i i i i i i i i i i i i i		
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IEC/EN 60947-5-1 designation A600 Q600 Rated insulation voltage Ui V 690 Rated insulation voltage Uinp kV 6 Insulation class II 10 Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10				А	-
Rated insulation voltage Ui V 690 Rated impulse withstand voltage Uimp kV 6 Insulation class II 10 gG/SC QUICK FUSE Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10	IEC/EN 60947-5-1 de	signation			A600 Q600
Rated impulse withstand voltage Uimp kV 6 Insulation class II Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 min m/s 1.5 IEC Conventional free air thermal current Ith A 10 Resistance per pole (average value) mQ <10				V	690
Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10				kV	6
Shint-Circuit protection with ruse Class/A QUICK FUSE Switching speed min m/s 0.5 max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mQ <10 Mechanical features Operating head fixing Operating torque Operating torque Ncm 1 ozin 1.42 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil Min 16 max 14 IEC min mm² 1 or 2	Insulation class				
min m/s 0.5 max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10	Short-circuit protection	n with fuse		Class/A	
max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mQ <10	Switching speed				
IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10			min	m/s	0.5
Resistance per pole (average value) mΩ <10 Mechanical features Locking bayonet insert Operating head fixing Locking bayonet insert Operating torque Ncm 1 Tightening torque (Max) Switch fixing Nm 2.5 Libin 22.1 Contact terminals Nm 0.8 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min min 16 max 14			max	m/s	1.5
Mechanical features Locking bayonet insert Operating head fixing Locking bayonet insert Operating torque Ncm 1 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Ibin 7 Conductor section AWG/Kcmil min 16 IEC min 14	IEC Conventional free	air thermal current Ith		А	10
Operating head fixing Locking bayonet insert Operating torque Ncm 1 Tightening torque (Max) Switch fixing 1.42 Tightening torque (Max) Switch fixing Nm 2.5 Contact terminals Nm 0.8 Body lid screw fixing Nm 0.8 Ibin 7 7 Conductor section AWG/Kcmil min 16 IEC min 14	Resistance per pole (average value)		mΩ	<10
Operating nead nxing insert Operating torque Ncm 1 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Ibin 7 Conductor section AWG/Kcmil min 16 IEC min min 14	Mechanical features				
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victor switch fixing Nm 2.5 Switch fixing lbin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 16 AWG/Kcmil min 16 IEC min mm² 14	Operating torque				
Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Ibin 7 Conductor section AWG/Kcmil Information 16 IEC min 14 IEC min 10r 2				Ncm	1
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Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 0.8 AWG/Kcmil min 7 IEC min 16 min 14	Tightening torque (Ma				
Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 0.8 AWG/Kcmil nin 7 IEC nin 16 min mm² 10r 2		Switch fixing			
Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 7 AWG/Kcmil 16 IEC min 14					
Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 7 AWG/Kcmil 16 IEC 14				lbin	22.1
Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 16 min 16 IEC 14		Contact terminals			
Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil Imin AWG/Kcmil 16 IEC 14 IEC 10 r 2					
Nm 0.8 Ibin 7 Conductor section AWG/Kcmil		<u> </u>		Ibin	1
Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min mm²		Body lid screw fixing		N L	
Conductor section AWG/Kcmil min 16 max 14 IEC min mmm² min mm² 10 r 2					
AWG/Kcmil min 16 max 14 IEC min mm ² 1 or 2	Conductor costion			IDIN	1
min 16 max 14 IEC min mm ² 1or 2	Conductor section	ANAC/Kamil			
IEC min mm ² 1or 2					16
IEC min mm ² 1or 2					
min mm ² 1or 2		IFC	Illax		14
		ilo	min	mm²	1or 2
			max	mm²	2.5

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ENERGY AND AUTOMATION						FLEXIBLE ROD
Cable connection						Self-releasing screw terminal
Cable entry						M20 on the sides
Operations						
Mechanical life					cycles	<10000000
Mechanical operation					cycles/h	
Ambient conditions					,	
Temperature						
	Operating temperatu	ire				
				min	°C	-25
				max	°C	+70
	Storage temperature)				
				min	°C	-40
				max	°C	+70
Resistance & Protection	on					
IP degree						
				Terminals		IP20
				Body housing		IP65
Pollution degree						3
Dimensions						
(0.16")	22(0.86") (0 (0.78") (2 (1.65")					
	40(1.57") → 0 (1.97") → 0 (2.36")	M20 -	30 (1.18")			
4						

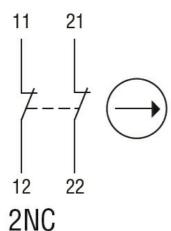
Wiring diagrams

KCM1S02



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Snap action



Certifications and compliance Compliance CSA C22.2 n° 14 EN 50047 IEC/EN 60204-1 IEC/EN 60947-1 IEC/EN 60947-5-1 UL508 Certificates CCC cULus EAC ETIM classification EC000030 - End **ETIM 8.0** switch

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